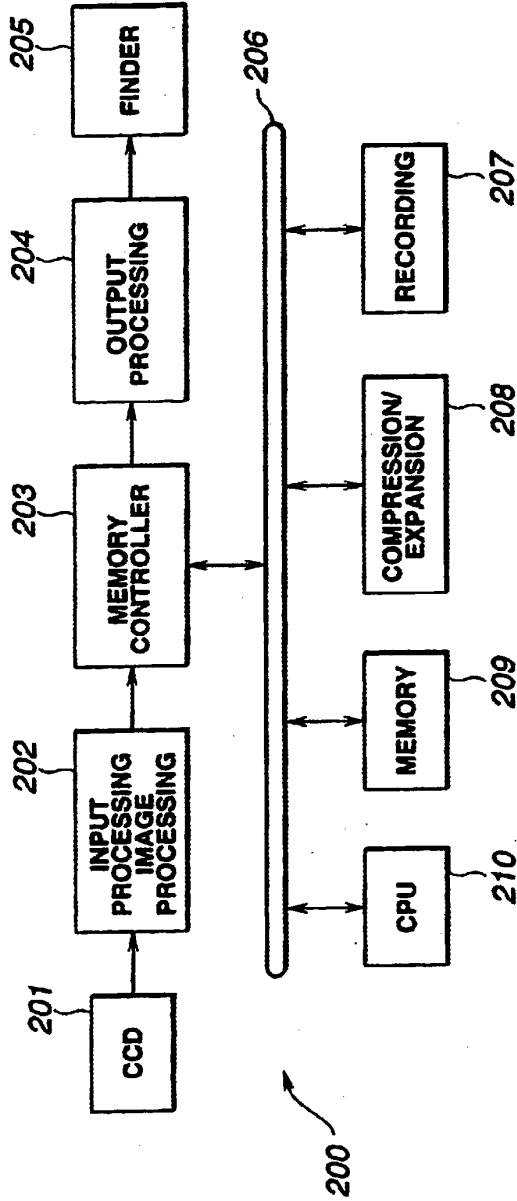




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**FIG.1**  
(PRIOR ART)

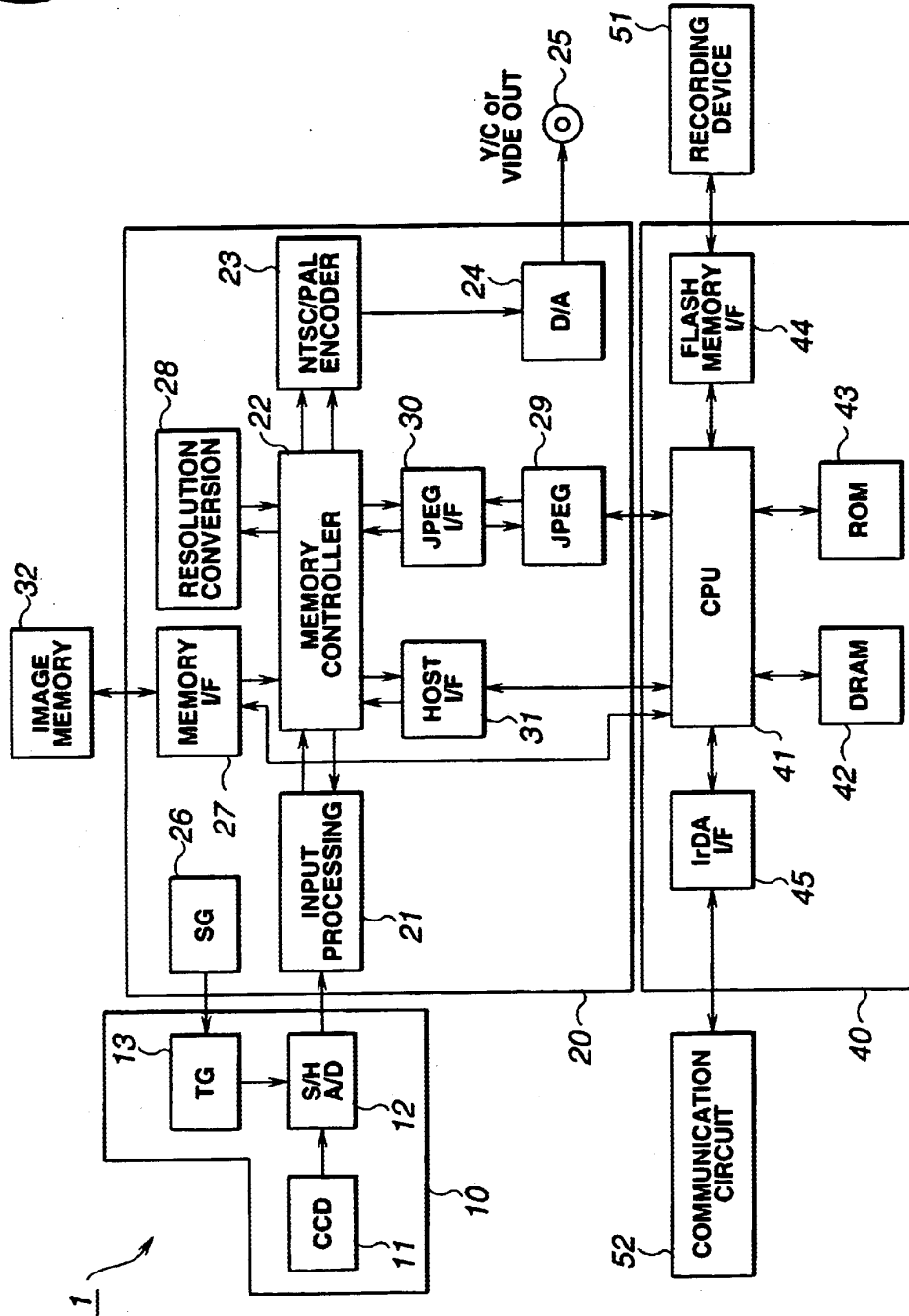
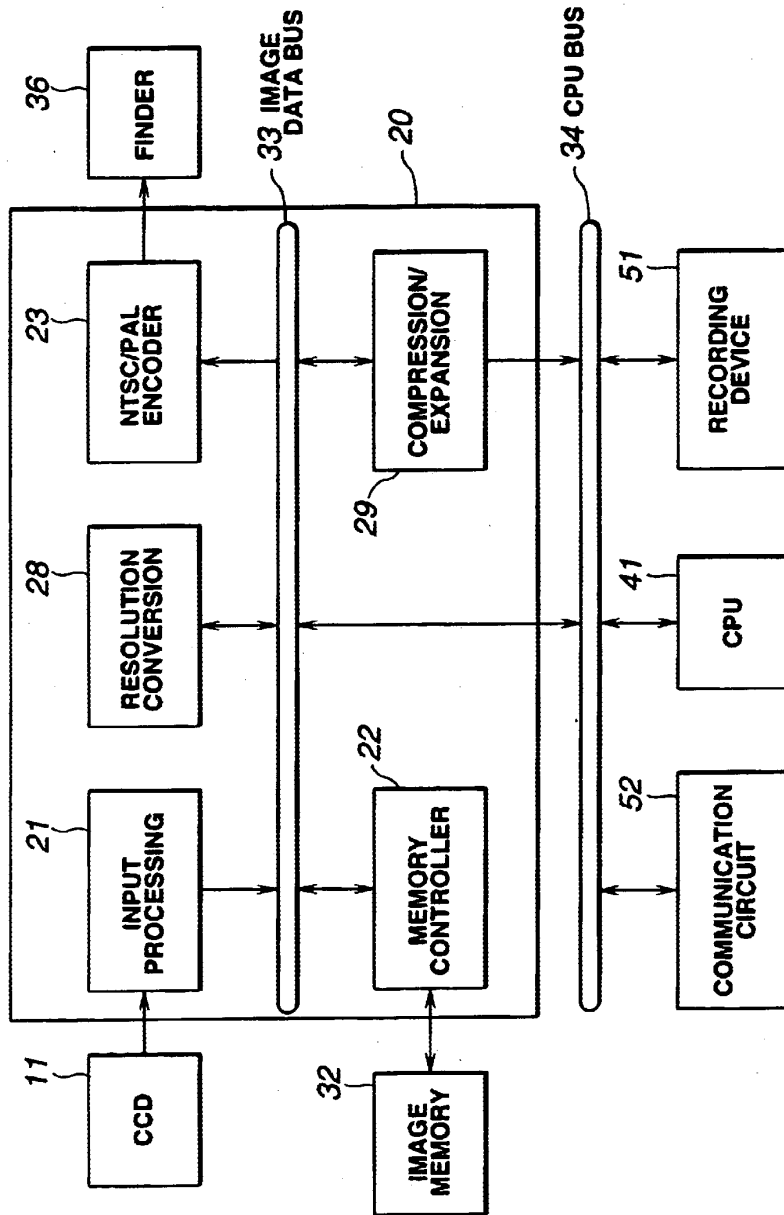


FIG.2



**FIG. 3**

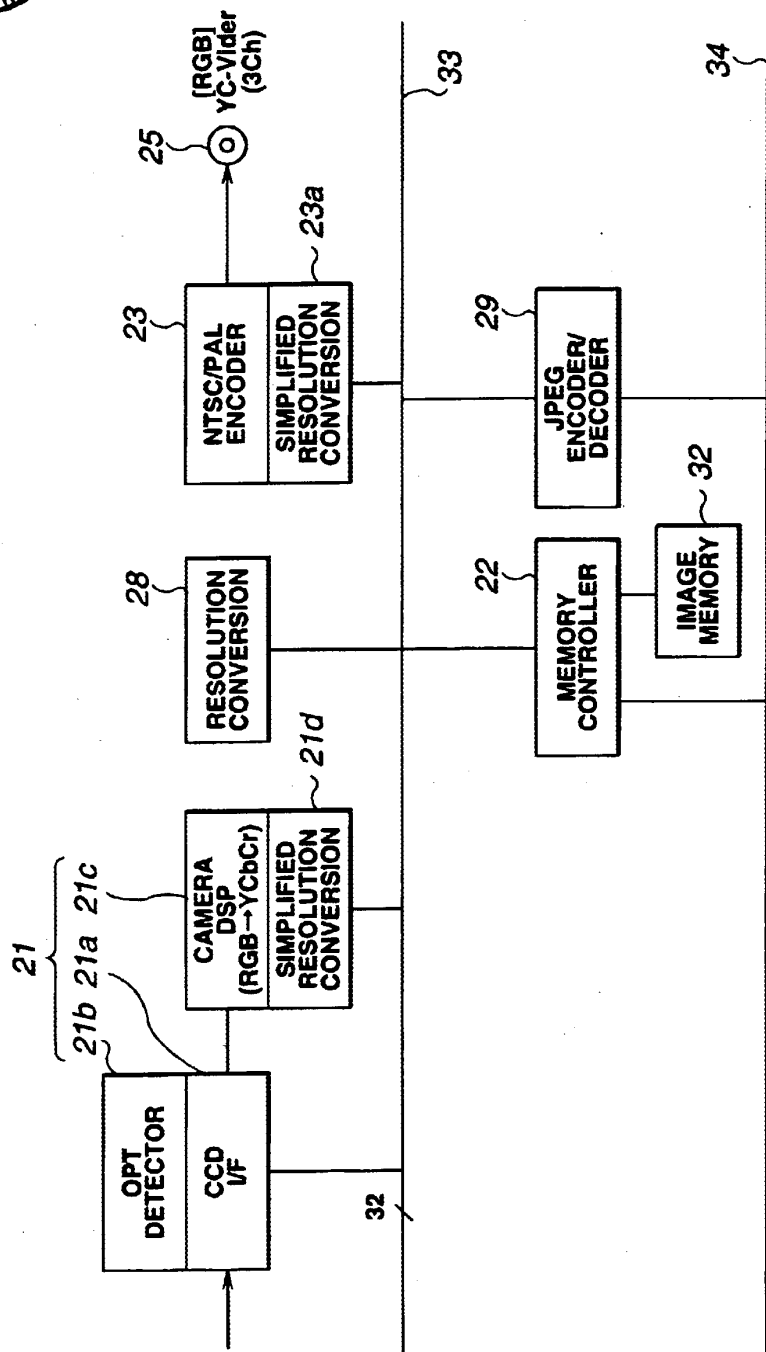


FIG.4

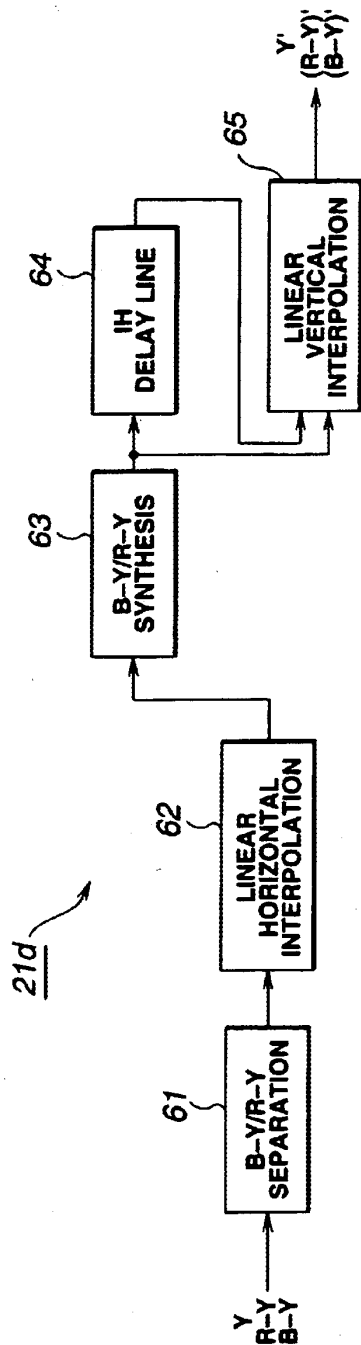


FIG.5

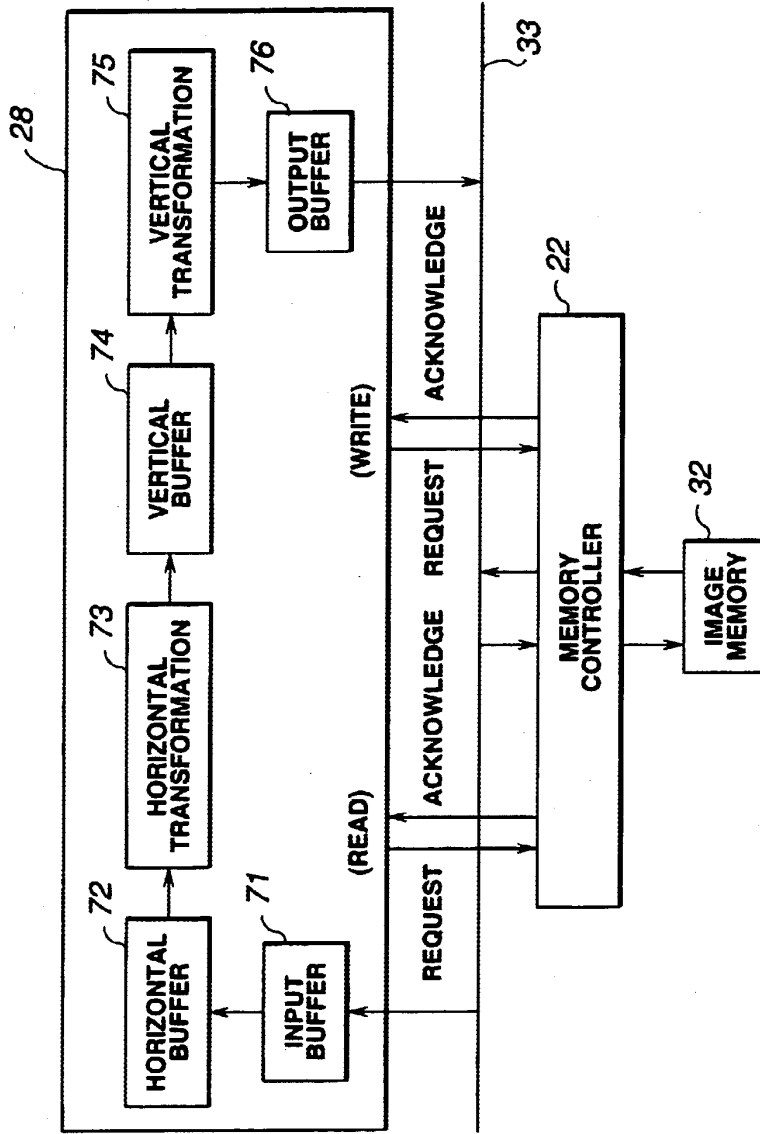


FIG.6

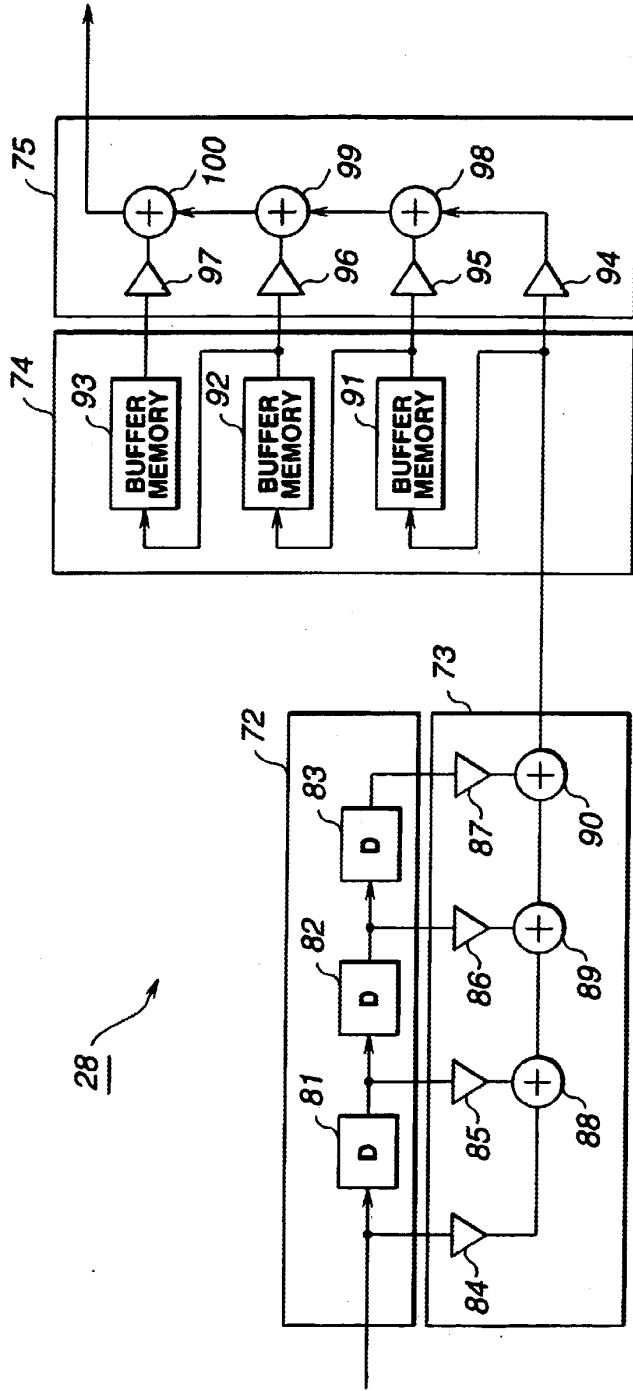
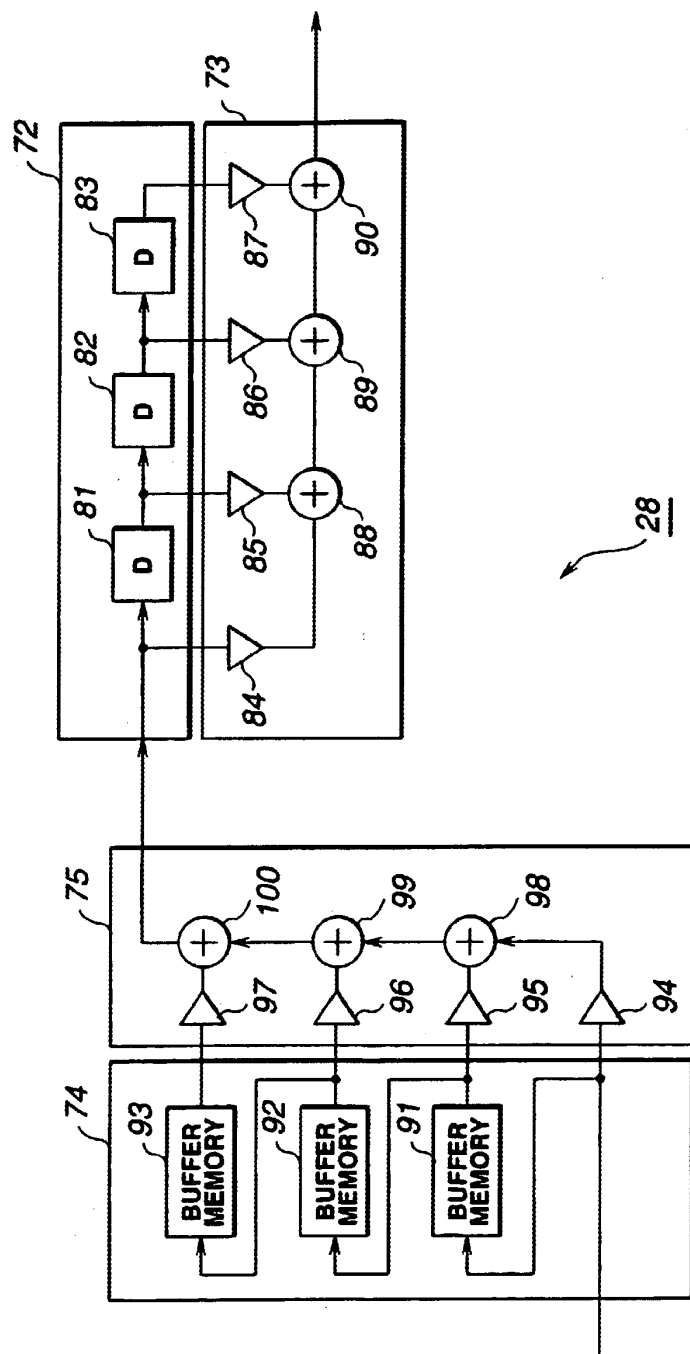


FIG.7

**INVENTOR(S):** YOUNG, MILTON L. AND ET AL.

### Invention: Imaging Apparatus for ... Image Data

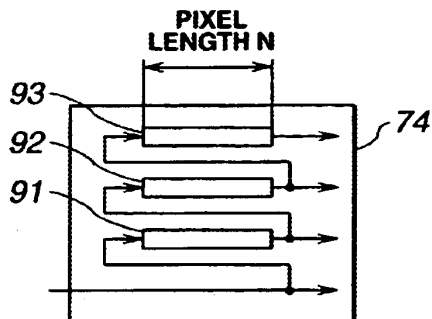
**Serial No.:** 09/354,476

**FIG. 8**

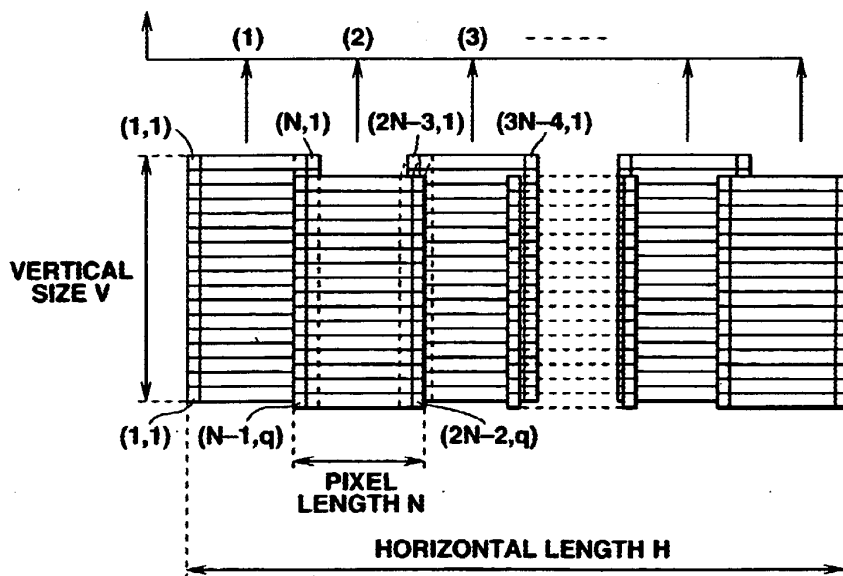




Inventor(s): Yoichi MIZUTANI et al.  
 Invention: Imaging Apparatus for ... Image Data  
 Serial No.: 09/354,476



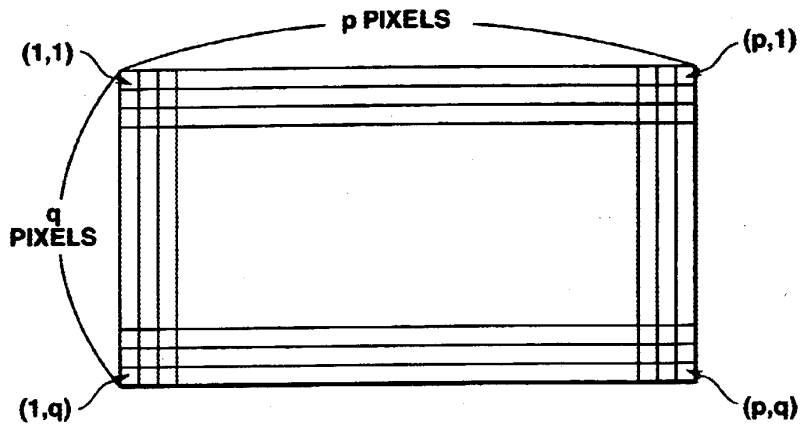
**FIG. 9**



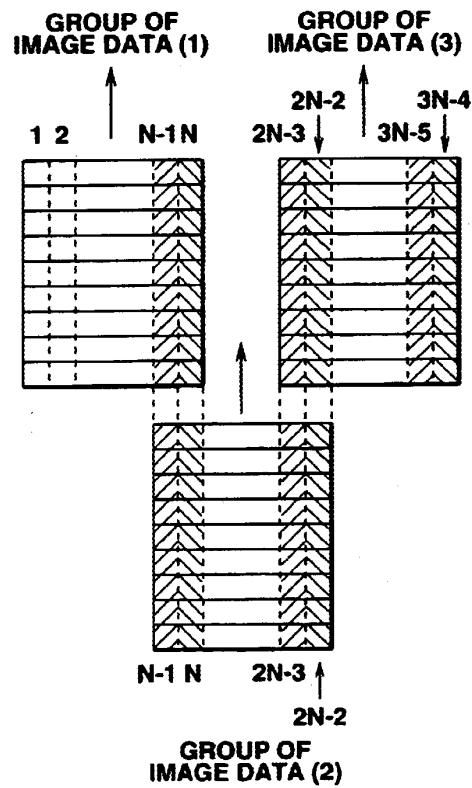
**FIG. 10**



Inventor: Yoichi MIZUTANI et al.  
 Invention: Imaging Apparatus for ... Image Data  
 Serial No.: 09/354,476



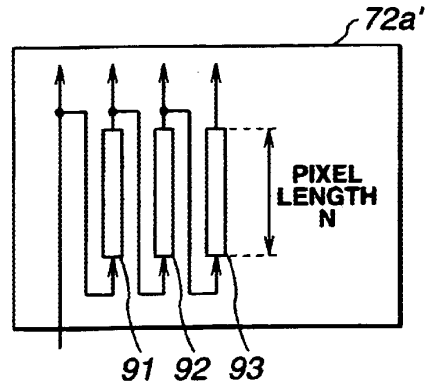
**FIG.11**



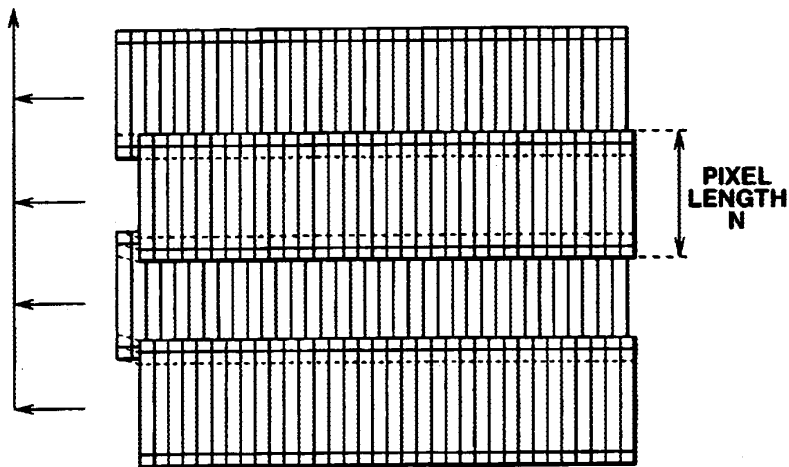
**FIG.12**



Inventor: Yoichi MIZUTANI et al.  
Invention: Imaging Apparatus for ... Image Data  
Serial No.: 09/354,476



**FIG.13**



**FIG.14**



Inventor(s): Naichi MIZUTANI et al.  
Invention: Imaging Apparatus for ... Image Data  
Serial No.: 09/354,476

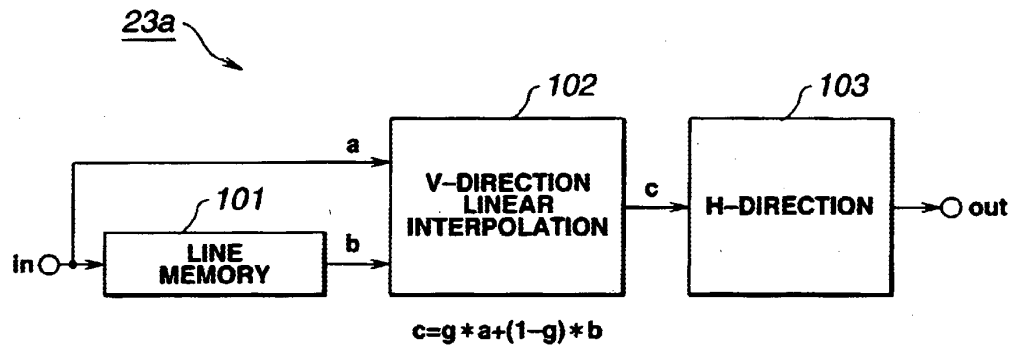
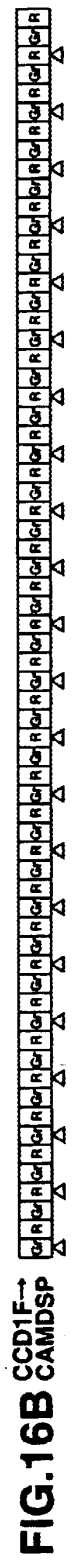


FIG.15



Invention: Imaging Apparatus for ... Image Data  
Serial No.: 09/354,476



1/3 THINNING

**FIG.16C** CAMDSP →DRAM

0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr

**FIG.16D** DRAM→ NTSC

0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb	Cr	Cb

YC422(320X240)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

**FIG.16E** DRAM→ OSD

